

# 4<sup>th</sup> Grade Answer Key

TE = Teacher's Edition SB = Student Book  
TE Page 7 / SB Page 1

**WEEK 1 DAY 1** Daily Math Practice

1.  $34 + 25 = 39$

2.  $28 + 21 = 49$ ,  $280 + 210 = 490$ ,  $208 + 201 = 409$

3. Write everything you know about what makes a figure a square. Answers will vary but should include that a square has 4 equal sides and 4 right angles.

4. What are 10 tens equal to? 100

5. Ben has sixty-seven marbles. If he gives fourteen of them away, how many will he have left? 53 marbles

**WEEK 1 DAY 2** Daily Math Practice

1.  $52 - 41 = 11$

2. Use the number line to solve the problems.

3. Jenny and Alex each collect baseball cards. Together, they have 128 cards. If Jenny has 72 cards, how many does Alex have? 56 cards

4. Which polygon has six sides? pentagon, heptagon, hexagon, octagon

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**WEEK 1 DAY 3** Daily Math Practice

1.  $2 \times 9 = 18$

2.  $5 \times 8 = 40$

3. Which measurement is the longest? 2 yards, 2 feet, 25 inches

4. Write the place and the value of 4 in each number. tens 40, thousands 4,000

5. Emily walks past 18 houses on her way to school. If each house has two dogs, how many dogs does Emily pass on the way to school? 36 dogs

**WEEK 1 DAY 4** Daily Math Practice

1.  $28 \times 4 = 7$

2.  $4 \times 3 = 12$

3. Write the correct symbol in the circle.

4. Write the first three numbers in the pattern: 7, 12, 17, 22, 27, 32, 37

5. Jennifer wants to buy two new CDs. Each CD costs \$14.00. If she has \$14.00, how much more money does she need? \$14.00

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**WEEK 1 DAY 5** Daily Math Practice

**Activity 1**

1. What shape is the spider's web? octagon

2. How many triangles are in the web? 16 triangles

3. What other shape do you see in the web? trapezoid

**Activity 2**

How many feet do you solve in one minute?

6 x 2 = 12, 3 x 7 = 21, 4 x 4 = 16, 5 x 9 = 45, 11 x 2 = 22, 2 x 10 = 20, 12 x 9 = 108, 12 x 21 = 252, 45 x 11 = 495, 11 x 0 = 0, 120 x 72 = 8640, 3 x 1 = 3, 7 x 1 = 7, 8 x 10 = 80, 10 x 8 = 80, 4 x 4 = 16, 132 x 3 = 396, 2 x 2 = 4, 90 x 48 = 4320, 12 x 4 = 48, 7 x 5 = 35, 11 x 7 = 77, 6 x 4 = 24, 8 x 8 = 64, 12 x 4 = 48, 4 x 8 = 32, 7 x 7 = 49, 5 x 4 = 20, 9 x 6 = 54, 4 x 6 = 24, 5 x 5 = 25, 10 x 10 = 100, 12 x 6 = 72, 3 x 9 = 27, 4 x 6 = 24, 9 x 12 = 108

**Activity 3**

Make a bar graph on the grid to show the information in the table below.

Drinks	Number of Students
soda	16
milk	8
water	16
juice	5

**Activity 4**

Luana and her friends decided to make a pizza for lunch. They wanted to share the pizza evenly but wondered about whether to use a rectangular pan or a circular pan and how many pizzas to cut. The shapes below show what each girl suggested. Color Luana's slice of each pizza.

1. Write Luana's share of each pizza as a fraction. A:  $\frac{3}{8}$ , B:  $\frac{2}{6}$ , C:  $\frac{4}{12}$

2. Write each fraction above in simplest form. A:  $\frac{3}{8}$ , B:  $\frac{1}{3}$ , C:  $\frac{1}{3}$

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**WEEK 2 DAY 1** Daily Math Practice

1.  $42 + 38 = 80$

2.  $55 + 13 = 74$ ,  $65 + 18 = 83$ ,  $75 + 17 = 92$

3. Write the correct symbol in the circle. Herb is 72 inches tall. I am 3 feet tall. I am 1 year 8 feet, 6 feet, 4 feet

4. What will the temperature be if it increases 13°? 33°

5. Cathy is two years older than Wendy. Wendy is eight years old. How old will Cathy be in two years? 12 years old

**WEEK 2 DAY 2** Daily Math Practice

1.  $56 - 12 = 44$

2.  $48 - 5 = 43$ ,  $44 - 15 = 29$ ,  $48 - 25 = 23$

3. Find the perimeter. 27

4. Round to the nearest hundred. 361, 400, 800

5. To earn money, Greg and Junn collected newspapers to recycle. They agreed to split all the money they made. The first day, Greg was paid \$2.00 for his papers and Junn got \$1.50 for his. The next day, Greg made \$1.75 and Junn made \$5.25. Dividing all the money equally, how much did each boy receive? 4.25

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**WEEK 2 DAY 3** Daily Math Practice

1.  $90 \times 5 = 450$

2.  $4 \times 1 = 4$ ,  $4 \times 10 = 40$ ,  $4 \times 100 = 400$

3. Name the solid figure that has congruent squares on all six sides. cube

4. What fraction of the figure is shaded?  $\frac{2}{3}$

5. Vanessa, Emma, and Mia went to the store to collect seashells. Vanessa found 14 shells, Emma found 10 shells, and Mia collected 20 shells. How many shells did the girls collect altogether? 44 shells

**WEEK 2 DAY 4** Daily Math Practice

1.  $42 \div 6 = 7$

2.  $9 \times 3 = 27$ ,  $7 \times 3 = 21$

3. Find the perimeter. 27

4. Circle all the numbers that are factors of 8. 1, 2, 3, 4, 5, 6, 7, 8

5. Ivan likes ice cream cones. At the ice cream parlor, a single scoop cone costs 75¢. Each additional scoop of ice cream costs 50¢. Ivan wants 2½ scoops each time he goes out to buy. How many times will he have to take out the cash to buy a double-scoop cone? 5 times

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**WEEK 2 DAY 5** Daily Math Practice

**Activity 1**

Make a bar graph on the grid to show the information in the table below.

Drinks	Number of Students
soda	16
milk	8
water	16
juice	5

**Activity 2**

Luana and her friends decided to make a pizza for lunch. They wanted to share the pizza evenly but wondered about whether to use a rectangular pan or a circular pan and how many pizzas to cut. The shapes below show what each girl suggested. Color Luana's slice of each pizza.

1. Write Luana's share of each pizza as a fraction. A:  $\frac{3}{8}$ , B:  $\frac{2}{6}$ , C:  $\frac{4}{12}$

2. Write each fraction above in simplest form. A:  $\frac{3}{8}$ , B:  $\frac{1}{3}$ , C:  $\frac{1}{3}$

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**WEEK 3 DAY 1** Daily Math Practice

1.  $55 + 72 = 127$

2.  $38 + 62 = 100$ ,  $37 + 63 = 100$ ,  $38 + 62 = 100$

3. How many blocks are in the figure? 36

4. Is 1086 odd or even? even

5. Antonio rode his bike from his house to school in 7 minutes. From school to D's house in 14 minutes. From D's house to the park in 5 minutes. How long did it take him to go to the park? 26 minutes

**WEEK 3 DAY 2** Daily Math Practice

1.  $58 - 37 = 21$

2.  $63 - 41 = 22$ ,  $630 - 410 = 220$ ,  $6300 - 4100 = 2200$

3. Which activity does Tom spend the largest amount of time doing? chores

4. Which container holds more water? 8-cup measuring cup, one pint jar

5. Krista wants to treat some friends to a movie. Tickets for the movie cost \$2.50 each. For water during the movie, she has \$1.00. If Krista's movie goes for \$20.00, how many more friends can she take with her to the movie? 7 friends

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**WEEK 3 DAY 3** Daily Math Practice

1.  $210 \times 0 = 0$

2.  $12 \times 5 = 60$ ,  $12 \times 10 = 120$

3. Draw an X on the figure if it is not a trapezoid.

4. Draw the odd 1 of figure in the pattern.  $\$150.00$

5. Toronto's dog day care puppies. After choosing one puppy for herself, Roberto decided to sell the rest of the puppies for \$150.00 each. How much money will Roberto make if he sells all the remaining puppies? \$150.00

**WEEK 3 DAY 4** Daily Math Practice

1.  $48 \div 6 = 8$

2.  $22 \times 4 = 88$ ,  $222 \times 4 = 888$

3. Find the area. 56 square units

4. Circle the larger number. 0.8, 0.80

5. Marco is 4 feet tall. His younger brother Carlos is 7 inches shorter. Marco's older brother Juan is 13 inches taller than Carlos. How tall is Juan? 6 feet

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**WEEK 3 DAY 5** Daily Math Practice

Read the rules.

Rules for 3 players:

- Take turns spinning the spinner.
- If the arrow lands on white, the player who spins gets a point.
- If the arrow lands on gray, the other player gets a point.
- The first player to get 20 points wins the game.

Look at the spinners.

Which spinner will make the game fair? B

Together you chose:

The white and gray sections on the spinner are equal, so each player has an equal chance of getting a point on each spin.

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**WEEK 4 DAY 1** Daily Math Practice

1.  $302 + 586 = 888$

2.  $212 + 410 = 622$ ,  $312 + 310 = 622$ ,  $512 + 110 = 622$

3. What is the ratio of shaded boxes to the total number of boxes? Write the answer as a fraction.

4. Round to the tens place to estimate the product of 11 times 337.

5. Karen has 33 marbles. Half of her marbles are green, 3 are red, 11 are blue, and the rest are white. How many white marbles does Karen have?

6. Write each number in standard form.

7. Sylvia has three pet gerbils. If two of her gerbils each have six babies every two months, how many babies will the gerbils have altogether over one year's time?

8. Check the squares to show the equation. Write the answer on the line.

9. How many unit blocks are in the figure?

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**WEEK 4 DAY 3** Daily Math Practice

1.  $33 \times 6 = 198$

2.  $40 \times 4 = 160$ ,  $400 \times 4 = 1,600$ ,  $4,000 \times 4 = 16,000$

3. Fill in  $\square$  of the car.

4. If  $n = 2$ , then  $n + 43 = 95$

5. The gas tank of Ted's car holds 12 gallons. The car can go 70 miles on each gallon of gas. If Ted starts a 750-mile trip with a full tank of gas, what is the minimum number of times that he will need to stop for more gas?

6. Write each number in standard form.

7. How many unit blocks are in the figure?

8. Andrea owes 27 video games, and she has played them all many times. A new store in town will trade three used games for a new one. If Andrea trades  $\frac{1}{3}$  of her current games, how many new games will she get?

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**WEEK 4 DAY 5** Daily Math Practice

1. The Venn diagrams below show products or multiples, less than 50, for the numbers 5 and 4. The center section of the diagram is where the common multiples should be written. Fill in the common multiples to complete the diagram.

2. Complete the Venn diagram below to show all the multiples and common multiples less than 40 for the numbers 3 and 4.

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**WEEK 5 DAY 1** Daily Math Practice

1.  $165 + 881 = 1,046$

2.  $418 + 347 = 765$ ,  $439 + 276 = 715$ ,  $745 + 716 = 1,461$ ,  $855 + 756 = 1,611$

3. How many different ways can 3 kids line up for lunch?

4. How long is the river?

5. Kent bought six 6-pound 3 ounce trout in his job. The season's record catch so far is 35 pounds. Did Kent's fish beat the record?

6. Write the inverse of each sum.

7. What are the coordinates of X on the grid?

8. Judy has saved \$12.85 to buy a new DVD. If the DVD costs \$31.50, how much more does Judy have to save?

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**WEEK 5 DAY 3** Daily Math Practice

1.  $270 \times 7 = 1,890$

2.  $8 \times 8 = 64$ ,  $38 \times 8 = 304$

3. Write the decimal that names the shaded part. Write the fraction form of the decimal.

4. List the first four multiples of 4.

5. When Bill and Josh exchanged phone numbers, they realized that their numbers both have the same digits in them. The digits are 8, 8, 7, 9, 7, 8, and 8. Bill's phone number is the smallest number that can be created with these digits. Josh's phone number is the largest number. What are their phone numbers?

6. Follow the rule  $x + 2$  to complete the pattern.

7. Write the correct symbol in the circle.

8. Jan started playing a video game at 3:05 p.m. and played for 5 hours and 25 minutes straight. At what time did he stop playing?

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**WEEK 5 DAY 5** Daily Math Practice

Make a bar graph to show the data on the tally chart. Remember to include axis labels and a title on your graph.

Summer Super-Readers	
Name	Number of Books
Tyler	11
Nate	5
Chenxi	6
Sean	10
Sheryl	12
Hobart	6
Kelly	10

Number of Books

Name

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**WEEK 6 DAY 1** Daily Math Practice

1.  $467 + 232 = 699$

2.  $584 + 392 = 976$ ,  $688 + 425 = 1,113$

3. Calculate the perimeter (p) and the area (A) of the figure if each square represents 1 inch by 1 inch.

4. What shape has 8 sides and 5 angles?

5. Brandon has a stack of books on his desk. The first book has 84 pages. The second book has twice as many pages. The third book has 10 pages, which is twice as many pages as the second book. If this pattern continues, how many pages will the eighth book have?

6. Write the correct symbol in the circle.

7. Which circle shows  $\frac{1}{2}$  shaded?

8. Abby is half as old as her dad, and twice as old as her brother. If her brother is 4 years old, how old is her dad?

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**WEEK 6 DAY 3** Daily Math Practice

1.  $2 \times 3 \times 4 = 24$

2.  $27 \times 6 = 162$ ,  $28 \times 7 = 196$

3. Complete the function table to show 3 cups of flour per pound.

4. Draw all possible lines of symmetry.

5. Rafael can run 2 miles in 40 minutes. At this rate, how long will it take him to run 5 miles?

6. Write the correct symbol in the circle.

7. What figure comes next in the pattern?

8. What one 50 lens equal to?

9. Maria is selling 2 shirts to raise money for her school's student council. Each shirt sells for \$20.00, and half of the money goes to the student council. If Maria sells 12 shirts, how much money will go to the student council?

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**WEEK 6 DAY 5** Daily Math Practice

Activity 1: Write acute, obtuse, or right on the line to name each angle.

Activity 2: Round the numbers in each column to the place indicated.

tens	hundreds	thousands
712	633	4,639
254	481	6,060
909	548	5,951
394	1,472	17,045
157	5,440	47,005
845	2,028	19,725

## Answer Key

### Week 1

Monday—72 pencils  
 Tuesday—24 days  
 Wednesday—\$0.20  
 Thursday—\$9.80  
 Friday—\$23.00

### Week 2

Monday—A seed should be drawn between  $2\frac{1}{2}$  and 3 centimeters from the bottom of the jar.  
 Tuesday— $12\frac{1}{2}$  centiliters  
 Wednesday—4 days; 7 days; 3 days longer  
 Thursday—49 millimeters longer  
 Friday—Seed C; Seeds A, B, and F; Seed A

### Week 3

Monday—15 classrooms  
 Tuesday—3 members did not vote  
 Wednesday—158 students voted for Toby; Gail won  
 Thursday—\$350.00 collected; \$175.00 profit  
 Friday—The complete basketball set is the better deal; It costs \$5 more to buy the items separately.

### Week 4

Monday—7 packs  
 Tuesday—\$27.00  
 Wednesday—102 spikes; \$51.00  
 Thursday—30 alyssum, 15 bells of Ireland, 15 calendula  
 Friday—\$3.75, \$3.80, \$2.55, \$1.98, \$1.05; Total \$13.13

### Week 5

Monday—17 milliliters  
 Tuesday—30 milliliters of water; 10 milliliters of cooking oil  
 Wednesday—32 minutes longer  
 Thursday— $5^\circ$  hotter  
 Friday—25 ml on Day 2, 37 ml on Day 3, 32 ml on Day 4, 41 ml on Day 5; Most on Day 5, Least on Day 1; Answers will vary, but estimates should be about 6 or 7 days and 33 to 35 ml of water was evaporating each day.

### Week 6

Monday—1 minute, 36 seconds  
 Tuesday—2,800 meters  
 Wednesday— $8\frac{1}{2}$  hours in 1 week;  $43\frac{1}{2}$  hours in 5 weeks  
 Thursday—13 minutes, 36 seconds  
 Friday—3 seconds faster; 5 minutes, 10 seconds; 12 seconds slower; 4 minutes, 54 seconds

### Week 7

Monday—\$10.50  
 Tuesday—8:40 p.m.  
 Wednesday—\$4.00 per hour  
 Thursday—\$27.00  
 Friday—\$1,196.00; \$598.00; There are many possible combinations that do not exceed \$46, including the following: CD player and book; camera, video game, and book; camera, CD, and book

### Week 8

Monday—84 years  
 Tuesday—25 light bulbs  
 Wednesday—18 cylinders  
 Thursday—200 films  
 Friday—1,560; 3,217; 9,480; 7,561,028

### Week 9

Monday—\$5.00; 12 fish  
 Tuesday—\$56.04  
 Wednesday—32 babies in all; 37 angelfish in all  
 Thursday—\$9.60 for 24; \$9.20 for 23  
 Friday—14, 17, 20, 23, 26, 29, 44, 59, 89, 149; The rule is to multiply by 3 and then subtract 1

### Week 10

Monday—1 minute, 8 seconds longer  
 Tuesday—6 minutes; 4 minutes  
 Wednesday—35 seconds; The mouse is finding the food 10 seconds faster each time.  
 Thursday— $10\frac{1}{2}$  gallons  
 Friday—Student D; Student E; 12 centimeters; fastest—0.4 seconds, slowest—0.8 seconds

### Week 11

Monday—5 packages  
 Tuesday—8 tomatoes  
 Wednesday—Multiply \$2 by 4; About \$8.00  
 Thursday—4 loaves; 12 slices left over  
 Friday—\$2.04, \$20.40, \$102.00; \$1.92 profit

### Week 12

Monday—405 jelly beans  
 Tuesday—2:40 p.m.  
 Wednesday—4 candy bars each; 12 left over  
 Thursday—\$26.00  
 Friday—6, 5, 10

### Week 13

Monday—10:45 a.m.  
 Tuesday—243 pounds  
 Wednesday—2 hours  
 Thursday—486 pounds  
 Friday—4 students; 15 students; 327 pounds in all

### Week 14

Monday—14 ounces in 1 week; 60 ounces in 30 days  
 Tuesday—4 days  
 Wednesday—49 pancakes  
 Thursday—Yes, Sally had enough money because all the food together cost \$5.00.  
 Friday—Box B—Box A is 15¢ per ounce and Box B is 12¢ per ounce; \$5.25; \$5.40

### Week 15

Monday—408 grams  
 Tuesday—14 inches  
 Wednesday—18 cm higher  
 Thursday—1 m, 75 cm difference  
 Friday—notebook paper; 0.88 seconds; notebook paper, sandpaper, and cotton cloth; About 10 seconds

# Answer Key

**Big Idea 1: Week 1 • Day 1**

- A. 1. true                      3. false  
 2. false                      4. true  
 B. 1. dams                    3. safety/shelter/  
 2. deep                      a hiding place  
 TALK: Answers will vary.

**Big Idea 1: Week 1 • Day 2**



- Answers will vary—e.g.,  
 The lodge walls are thick and  
 are made from mud, sticks,  
 and logs.  
 B. 1. lodge                    3. entrance;  
 2. pond                      underwater  
 C. Answers will vary—e.g.,  
 Those animals can't or won't  
 hunt in the water.

**Big Idea 1: Week 1 • Day 3**

- A. Beavers use logs they gather in  
 the summer as food during the  
 winter.  
 B. Beavers eat trees and use them  
 to build their lodges and dams.

**Big Idea 1: Week 1 • Day 4**

- A. Answers will vary.
- | Positive Effects            | Negative Effects                                      |
|-----------------------------|---|
| create new wetland habitats | destroy trees   |
| slow soil erosion           | cause silt to build up and flood the land behind them |
- B. 1. silt                      3. wetland  
 2. Erosion

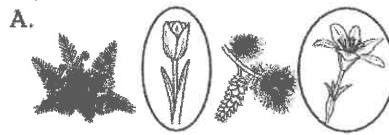
**Big Idea 1: Week 1 • Day 5**

- A. 1. silt                      4. wetland  
 2. habitat                    5. erosion  
 3. lodge  
 B. Dams create ponds that are  
 deep enough not to freeze solid  
 in winter.  
 Dams create ponds that  
 beavers can hide in.  
 C. 1. false                    3. true                    5. false  
 2. false                      4. true

**Big Idea 1: Week 2 • Day 1**

- A. 3, 1, 4, 2  
 B. It would hurt the plant's ability  
 to spread because the plant  
 could not make seeds.

**Big Idea 1: Week 2 • Day 2**



- These plants are angiosperms  
 because they have flowers.  
 B. 1. angiosperms  
 2. pollinate  
 3. pollinators/bees/insects  
 C. Flowers attract pollinators.  
 When flowers are pollinated,  
 they produce fruit and seeds to  
 make new angiosperms.

**Big Idea 1: Week 2 • Day 3**

- A. 1. seeds                      3. scatter  
 2. digestive                    4. fruit  
 B. 1. true                      2. false                    3. false  
 C. Answers will vary—e.g., People  
 plant seeds. People feed seeds to  
 animals. People throw seeds on  
 the ground when they finish  
 eating.

**Big Idea 1: Week 2 • Day 4**

- A. 1. sterile                      2. mutation  
 B. Answers will vary.
- | Seedless fruit that you like to eat                                    | Fruit that you wish didn't have seeds                                  |
|--|--|
| Answers will vary—grapes, blueberries, watermelons, oranges, pineapple | Answers will vary—cherries, raspberries, apples, mangoes, strawberries |

**Big Idea 1: Week 2 • Day 5**

- A. 1. mutation                    4. sterile  
 2. pollination                    5. Pollen,  
 3. angiosperms                    ovary  
 B. 4, 1, 5, 2, 3  
 C. Answers will vary—e.g.,  
 Angiosperms have flowers and  
 make seeds.

**Big Idea 1: Week 3 • Day 1**

- A. proboscis, nectar  
 B. 1. allows the bee to get  
 nectar that is hard to reach  
 2. allows the bee to collect  
 pollen easily

**Big Idea 1: Week 3 • Day 2**

- A. Answers will vary—e.g., Worker  
 bees build the honeycomb  
 with wax from their glands.  
 Worker bees mold the honeycomb  
 with their mouths and feet.  
 B. 3, 1, 4, 2

**Big Idea 1: Week 3 • Day 3**

- A. Answers will vary—e.g.,  
 The honeybee is smaller.  
 The bumblebee is larger. Both  
 have wings and six legs. The  
 bumblebee has a fatter back end.  
 The bumblebee has more hair.

B.

	Honeybee	Bumblebee
Pollinates flowers	✓	✓
Drinks nectar from flowers	✓	✓
Produces large amounts of honey	✓	
Creates honeycomb filled with honey	✓	
Often dies in the winter		✓
Depends on flowers for survival	✓	✓

**Big Idea 1: Week 3 • Day 4**

- A. b, a, c  
 TALK: Answers will vary.

**Big Idea 1: Week 3 • Day 5**

- A. a, c, b  
 B. 4, 1, 5, 2, 6, 3  
 C. 1. Bees pollinate flowers.  
 2. Bees pollinate crops.  
 3. Bees make honey.  
 D. Answers will vary—e.g., Only  
 some bees make honey.  
 Honeybees make a lot of honey.

**Big Idea 1: Week 4 • Day 1**

- A. 4, 1, 3, 2  
 B. Birds would hoard sunflower  
 seeds because seeds last longer  
 than worms do.  
 C. Animals in tropical places  
 wouldn't need to hoard food  
 because the plants grow all  
 year-round.

**Big Idea 1: Week 4 • Day 2**

- A. Fat provides energy.  
 Body fat can be stored for  
 later use.  
 B. winter, food, fat, more, energy

**Big Idea 1: Week 4 • Day 3**

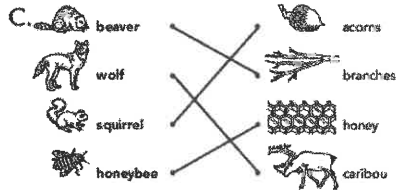
1. dormant                      3. dormant  
 2. hibernating                    4. hibernating

**Big Idea 1: Week 4 • Day 4**

- A. Plants are still growing and  
 producing food in warmer places.  
 Animals are not hibernating  
 and so are easier to find and eat.  
 Water is available to drink  
 because lakes and ponds are  
 not frozen.  
 B. The wolves migrate, too.

**Big Idea 1: Week 4 • Day 5**

- A. 1. migrate 3. hoard  
2. dormant 4. hibernate  
B. 1. true 3. true  
2. false 4. true



**Big Idea 1: Week 5 • Unit Review 1**

- A. 1. A 2. B 3. D 4. A 5. D  
B. Answers will vary—e.g.,  
1. Bees pollinate flowers.  
2. Plants provide food and shelter for animals.  
3. Animals eat fruit and distribute seeds.

**Big Idea 1: Week 5 • Unit Review 2**

- A. 1. b 5. a 9. h  
2. i 6. j 10. d  
3. g 7. c  
4. e 8. f  
B. habitat, nectar, pollen, pollinate, ovary

**Big Idea 1: Week 5 • Unit Review 3**

1. A 2. D 3. B

**Big Idea 1: Week 5 • Unit Review 4**

Answers will vary.

**Big Idea 2: Week 1 • Day 1**

- A. 1. recycle nutrients  
2. enrich the soil  
3. get rid of the waste  
B. 1. true 2. true 3. false  
C. Answers will vary—e.g., landfills, forests, in your home, in lakes

**Big Idea 2: Week 1 • Day 2**

- A. 

Size of bacteria	smallest decomposers
Where bacteria live	every ecosystem
How bacteria eat	absorb food

  
B. Answers will vary—e.g., Bacteria live and grow better in warm places than they do in cold places.

**Big Idea 2: Week 1 • Day 3**

- A. 1. fungus 2. Mold 3. absorb  
B. Mushrooms are fungi. Fungi cannot make their own food like plants do.  
C. C

**Big Idea 2: Week 1 • Day 4**

- A. 1. true 2. false 3. false  
B. 1. better 2. better 3. worse  
TALK: Answers will vary—e.g., Gardeners can make sure the compost is damp and warm and keep chemicals out of the compost.

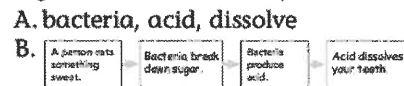
**Big Idea 2: Week 1 • Day 5**

- A. bacteria, mold, fungus, decomposers, absorb  
B. 1. false 2. true 3. false  
C. Answers will vary—e.g., When decomposers break down garbage, they produce substances that we smell as unpleasant odors.

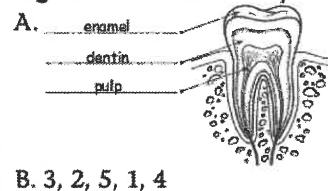
**Big Idea 2: Week 2 • Day 1**

- A. 1. true 4. true  
2. false 5. false  
3. false  
B. Answers will vary—e.g., Bacteria are decomposers. They probably break down your teeth and cause them to decay.

**Big Idea 2: Week 2 • Day 2**



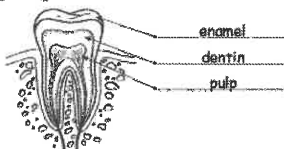
**Big Idea 2: Week 2 • Day 3**



**Big Idea 2: Week 2 • Day 4**

- c, a, d, b  
TALK: Answers will vary—e.g., Flossing removes food stuck between your teeth that bacteria could use to produce acid and dissolve the enamel.

**Big Idea 2: Week 2 • Day 5**

- A. plaque, acid, dissolve, cavity  
B.   
The *pulp* is the part of the tooth that can become infected.  
C. 1. false 3. true  
2. true 4. true

**Big Idea 2: Week 3 • Day 1**

- A. 1. b 2. c 3. a  
B. 3, 2, 1  
C. 1. Both are microscopic.  
2. Both can be infectious.

**Big Idea 2: Week 3 • Day 2**

- A. b, a, c  
B. antibodies, immune system, viruses, reproduce

**Big Idea 2: Week 3 • Day 3**

1. They break down food we eat, which helps us absorb nutrients.  
2. Antibiotics could kill the good bacteria we need to stay healthy.  
3. They will get new bacteria to replace the bacteria that may be destroyed in their digestive system.

**Big Idea 2: Week 3 • Day 4**

- A. 1. Some bacteria break down oil or toxic substances.  
2. Bacteria could be used to convert garbage into energy.  
B. Answers will vary—e.g., The scientist could put the bacteria on several different things, such as oil or trash, and study the bacteria for a certain amount of time to see if it breaks down any of those things.

**Big Idea 2: Week 3 • Day 5**

- A. 1. d 2. c 3. b 4. a 5. e  
B. 1. true 3. false 5. false  
2. true 4. true 6. true  
C. Answers will vary—e.g., If a person coughs or sneezes, he or she can spread viruses or bacteria through the air. If another person breathes in the virus or bacteria, that person might become ill.

**Big Idea 2: Week 4 • Day 1**

- A. 1. microorganisms  
2. nutrients  
B. leaking water pipe, locker room, garbage can

**Big Idea 2: Week 4 • Day 2**

- A. 1. true 2. true 3. false  
B. 1. It is safe when the mold has been added to the food on purpose.  
2. Mold and bacteria that you cannot see may still be in the food.

## Answer Key

### Week 1

#### Day 1

2. b  
3. Answers will vary.

#### Day 2

2. d  
3. b

#### Day 3

2. c  
3. b, d, c, a

#### Day 4

2. b  
3. d

#### Day 5

1. C 2. F 3. D 4. G

### Week 2

#### Day 1

2. a, d  
3. b

#### Day 2

2. a, d  
3. b

#### Day 3

2. a  
3. a, d

#### Day 4

2. c  
3. c

#### Day 5

1. B 2. F 3. D 4. G

### Week 3

#### Day 1

2. c  
3. a

#### Day 2

2. a, b  
3. b, d

#### Day 3

2. d  
3. a

#### Day 4

2. b, c  
3. a, b

#### Day 5

1. C 2. J 3. C 4. G

### Week 4

#### Day 1

2. d  
3. b, a, d, c

#### Day 2

2. a  
3. b, d

#### Day 3

2. d  
3. Answers will vary.

#### Day 4

2. a  
3. b

#### Day 5

1. B 2. F 3. B 4. F

### Week 5

#### Day 1

2. b, c  
3. c

#### Day 2

2. a  
3. d

#### Day 3

2. c  
3. a, d

#### Day 4

2. a, d  
3. Answers will vary.

#### Day 5

1. C 2. G 3. A 4. G

### Week 6

#### Day 1

2. b  
3. c

#### Day 2

2. b, c  
3. Answers will vary.  
4. Answers will vary.

#### Day 3

2. a, d  
3. a  
4. Answers will vary.

#### Day 4

2. c  
3. b

#### Day 5

1. B 2. J 3. A 4. J

### Week 7

#### Day 1

2. a, d  
3. d

#### Day 2

2. c  
3. Answers will vary.

#### Day 3

2. b, d  
3. c

#### Day 4

2. d  
3. a

#### Day 5

1. B 2. F 3. D 4. H

### Week 8

#### Day 1

2. a, d  
3. 2, 1, 4, 3

#### Day 2

2. c, d  
3. c

#### Day 3

2. d  
3. b

#### Day 4

2. a  
3. d

Note: Corresponding Student Practice Book pages are indicated in parentheses.

# Answer Key

## Building Spelling Skills

### Page 21 (Page 5)

- burglar, freedom
- eclipse
- snowflake
- hungry, between
- attract, twilight
- glance, slimy
- trouble, laundry

### Page 22 (Page 6)

- |             |               |
|-------------|---------------|
| 1. burglar  | 7. freedom    |
| 2. glance   | 8. bridge     |
| 3. trouble  | 9. attract    |
| 4. gravity  | 10. between   |
| 5. hungry   | 11. snowflake |
| 6. twilight | 12. switch    |

glance                      freedom  
 snowflake                between  
 trouble                    secret  
eclipse                    bridge

- |         |   |       |              |
|---------|---|-------|--------------|
| 1. hun  | X | cret  | 1. hungry    |
| 2. se   | X | gry   | 2. secret    |
| 3. laun | X | ble   | 3. laundry   |
| 4. trou | X | light | 4. trouble   |
| 5. twi  | X | dry   | 5. twilight  |
| 6. be   | X | dom   | 6. between   |
| 7. snow | X | flake | 7. snowflake |
| 8. free | X | tween | 8. freedom   |

### Page 23 (Page 7)

These words should be circled:

- |             |            |
|-------------|------------|
| 1. freedom  | 5. trouble |
| 2. between  | 6. applaud |
| 3. twilight | 7. bridge  |
| 4. attract  | 8. secret  |

These words should be circled and written correctly:

- |                    |           |
|--------------------|-----------|
| 1. <u>glanc</u>    | glance    |
| <u>hungry</u>      | hungry    |
| 2. <u>swich</u>    | switch    |
| <u>lawndry</u>     | laundry   |
| 3. <u>describe</u> | describe  |
| <u>slimee</u>      | slimy     |
| 4. <u>Gravety</u>  | Gravity   |
| <u>snoflak</u>     | snowflake |
| 5. <u>burgler</u>  | burglar   |
| <u>eclips</u>      | eclipse   |

### Page 25 (Page 9)

- where, spring
- athlete, awhile
- whistle, gather
- watch, these
- change, sandwich
- singer, whisper
- thirsty, nowhere
- worth, slippery

### Page 26 (Page 10)

- |                  |               |                 |
|------------------|---------------|-----------------|
| 1. <u>these</u>  | <u>gather</u> | <u>thread</u>   |
| <u>athlete</u>   | <u>worth</u>  | <u>thirsty</u>  |
| 2. <u>attach</u> | <u>change</u> | <u>sandwich</u> |
| 3. <u>watch</u>  |               |                 |
| 4. where         | whisper       | whistle         |
|                  | awhile        | nowhere         |

- |            |           |              |
|------------|-----------|--------------|
| 1. nowhere | 6. awhile | 11. thread   |
| 2. thirsty | 7. worth  | 12. whisper  |
| 3. watch   | 8. gather | 13. sandwich |
| 4. where   | 9. change | 14. athlete  |
| 5. attach  | 10. these | 15. whistle  |

### Page 27 (Page 11)

These words should be underlined: slippery, worth, spring, nowhere, whistle

These words should be circled and written correctly:

- |                     |          |
|---------------------|----------|
| 1. <u>Attach</u>    | Attach   |
| <u>sandwexh</u>     | sandwich |
| 2. <u>athle</u>     | athlete  |
| <u>thirsty</u>      | thirsty  |
| 3. <u>wached</u>    | watched  |
| <u>singr</u>        | singer   |
| 4. <u>whispor</u>   | whisper  |
| <u>awile</u>        | awhile   |
| 5. <u>Now where</u> | Nowhere  |
| <u>wurth</u>        | worth    |
| 6. <u>whistel</u>   | whistle  |
| <u>changs</u>       | changes  |

### Page 29 (Page 13)

- grade
- neighbor, April
- stranger
- explain
- ankle, able
- weigh
- display
- space

### Page 30 (Page 14)

long a sound  
 explain   able   later   space  
 stranger   grade   display   main  
 neighbor   weigh   vein   April  
 freight

short a sound  
 fact   began   clasp   rapid   ankle

- |          |   |       |             |
|----------|---|-------|-------------|
| 1. neigh | X | play  | 1. neighbor |
| 2. dis   | X | bor   | 2. display  |
| 3. be    | X | ger   | 3. began    |
| 4. ex    | X | id    | 4. explain  |
| 5. stran | X | gan   | 5. stranger |
| 6. rap   | X | plain | 6. rapid    |

### Page 31 (Page 15)

These words should be circled and written correctly: display, space, began, facts, explained, weigh, rapid, stranger, main, freight, April's, grade, later, neighbor, neighbor

### Page 33 (Page 17)

- These words should be underlined: 1. squeeze, piece  
 2. else, people  
 3. fifteen, tenth  
 4. spelling, believe  
 5. empty, mean  
 6. eager, sketch  
 7. easy, sneakers  
 8. When, receive

### Page 34 (Page 18)

- |                    |                    |                     |
|--------------------|--------------------|---------------------|
| 1. <u>squeeze</u>  | 7. sketch          | 13. <u>recei</u> ve |
| 2. else            | 8. <u>easy</u>     | 14. <u>piec</u> e   |
| 3. <u>believe</u>  | 9. <u>eager</u>    | 15. edge            |
| 4. when            | 10. <u>empty</u>   | 16. spelling        |
| 5. tenth           | 11. <u>mean</u>    | 17. <u>people</u>   |
| 6. <u>sneakers</u> | 12. <u>fifteen</u> | 18. then            |
| 1. <u>when</u>     | 7. <u>sketch</u>   | 13. eager           |
| 2. mean            | 8. <u>spelling</u> | 14. squeeze         |
| 3. believe         | 9. receive         | 15. sneakers        |
| 4. piece           | 10. <u>tenth</u>   | 16. easy            |
| 5. <u>empty</u>    | 11. <u>else</u>    | 17. people          |
| 6. <u>edge</u>     | 12. fifteen        | 18. <u>then</u>     |
- believe receive piece



- 1. squeeze
- 2. eager
- 3. piece
- 4. empty
- 5. receive
- 6. mean
- 7. believe
- 8. sketch
- 9. edge
- 10. easy

**Page 35 (Page 19)**

These words should be circled:

- 1. believe
- 2. piece
- 3. receive
- 4. else
- 5. easy
- 6. sketch
- 7. empty
- 8. mean
- 9. squeeze
- 10. spelling
- 11. people
- 12. eager

These words should be circled and written correctly:

- 1. ~~antib~~ tenth
- ~~fifteen~~ fifteen
- ~~peple~~ people
- 2. ~~sneekers~~ sneakers
- ~~than~~ Then
- 3. ~~Whin~~ When
- 4. ~~els~~ else
- ~~edg~~ edge

**Page 37 (Page 21)**

**Down**

- 1. buy
- 2. title
- 3. which
- 5. string
- 6. picnic
- 9. wild

**Across**

- 3. why
- 4. inch
- 5. skyscraper
- 7. decide
- 8. since
- 9. write
- 10. right

**Page 38 (Page 22)**

**fix**

- since
- which
- inch
- string
- shrimp
- picnic
- bicycle

**pie**

- title
- mind
- wild
- decide
- why
- skyscraper
- buy
- right
- lightning
- write
- cypress
- bicycle

- 1. ti — cide
- 2. pic — ning
- 3. de — file
- 4. light — nic
- 5. cy — press
- 1. title
- 2. picnic
- 3. decide
- 4. lightning
- 5. cypress

**Page 39 (Page 23)**

- 1. since
- 2. write
- 3. string
- 4. title

These words should be circled and written correctly:  
picnic, wild, Why, bicycle, lightning, inch, decide, which, shrimp, skyscraper, cypress

**Page 41 (Page 25)**

- 1. a. strong
- b. whole
- c. control
- d. copy
- 2. a. October
- b. bowl
- c. doughnut
- d. toast
- e. cloth
- f. throat
- g. coach
- e. problem
- f. wrong
- g. bottom
- h. foe

**Page 42 (Page 26)**

fox	goat
strong	foe
wrong	doughnut
copy	toast
cloth	coach
problem	throat
bottom	smoky
	whole
	explode
	shown
	bowl

~~wrong~~ ~~whole~~ ~~shown~~ ~~bow~~  
~~explode~~ ~~doughnut~~ ~~foe~~ ~~throat~~

**Page 43 (Page 27)**

These words should be circled and written correctly:

- 1. ~~donat~~ doughnut
- ~~octobr~~ October
- 2. ~~rong~~ wrong
- ~~strang~~ strong
- 3. ~~copee~~ Copy
- ~~probeln~~ problem
- 4. ~~shoan~~ shown
- ~~boal~~ bowl
- 5. ~~coch~~ coach
- ~~smokey~~ smoky
- 6. ~~fo~~ foe

- 7. ~~toast~~ toast
- ~~thro~~ throat
- 8. ~~hole~~ whole
- ~~bottom~~ bottom
- 9. ~~explod~~ explode

**Page 45 (Page 29)**

- 1. c
- 2. n
- 3. a
- 4. b
- 5. h
- 6. i
- 7. d
- 8. e
- 9. k
- 10. o
- 11. l
- 12. m
- 13. f
- 14. g
- 15. j

**Page 46 (Page 30)**

cup	use
blush	uniform
crutch	usual
crunch	human
grumpy	cubicle
much	cute
uncle	fuel
umpire	used
none	
does	

- 1. grum — ture
- 2. um — man
- 3. hu — cle
- 4. un — pire
- 5. fu — py
- 6. beau — u — ful
- 7. un — i — al
- 8. us — i — cle
- 9. cub — ti — form
- 1. grumpy
- 2. umpire
- 3. human
- 4. uncle
- 5. future
- 6. beautiful
- 7. uniform
- 8. usual
- 9. cubicle

**Page 47 (Page 31)**

These words should be circled and written correctly:

uncle, uniform, cute, fuel, none, umpire, grumpy, beautiful, crunch, blush, crutch, much

**Page 49 (Page 33)**

**Down**

- 1. office
- 3. address
- 4. follow
- 6. matter
- 8. million
- 10. penny

**Across**

- 2. village
- 5. occurrence
- 7. summer
- 9. dollars
- 11. wallet
- 12. wrapper

## WEEK 1

## Answer Key

- For many open-ended items, other answers are possible. Accept any response that produces correct language and follows the directions.

## Day 1

1. "I saw a giant balloon in the sky this morning," Ben said.
2. "It was shiny and shaped like an egg," he said.
3. "That was a blimp you saw, and it was part of a parade," I told Ben.
4. "The blimp is named *Spirit of America*," I said.

## Day 2

1. A circus is a group of many performers, animals, and clowns.
2. If you go to a circus, you might see clowns who are acting silly.
3. You will see colorful costumes at a circus, and you will also hear loud music there.
4. workers who sell things

## Day 3

1. Americans eat more ice cream than anyone else in the world.
2. Vanilla, chocolate, and strawberry are popular flavors, but the most popular is vanilla.
3. adjective; they give more details about ice cream
4. crunchy

## Day 4

1. My mom doesn't eat meat, and that makes her a vegetarian.
2. Sometimes Mom eats rice and beans or spaghetti with tomato sauce.
3. Mom eats lots of veggies, but she doesn't get bored because they are so tasty.
4. that

## Day 5

1. c
2. b
3. a
4. Answers will vary.

## WEEK 2

## Answer Key

- For many open-ended items, other answers are possible. Accept any response that produces correct language and follows the directions.

## Day 1

1. Many children ride on a bus every day.
2. It's important to stay in your seat when a bus is moving.
3. must
4. careful

## Day 2

1. My grandma made me a party dress, and she made me a school dress.
2. The dress for my party has big purple polka dots.
3. un|able; not able
4. b

## Day 3

1. Riding a bike is fun, but there are many rules you have to follow.
2. You must always wear a helmet, whether you ride slowly or quickly.
3. re|view; to view again
4. wear

## Day 4

1. You should wear the right kind of shoes when you play soccer.
2. If your shoes don't fit well, you might get hurt on the soccer field.
3. could
4. when

## Day 5

1. brave
2. tries
3. tell
4. Answers will vary.

## WEEK 3

## Answer Key

- For many open-ended items, other answers are possible. Accept any response that produces correct language and follows the directions.

## Day 1

1. Last year on my birthday, I told my mom that I wanted to get a pet snake.
2. Even though she knew how badly I wanted a snake, she still said no.
3. at a pet shop
4. scares

## Day 2

1. I can't wait to visit my friend on Saturday, April 5.
2. My friend lives on a farm where there are lots of geese.
3. run
4. harmed; hurt

## Day 3

1. Our class is doing a play called All My Friends Have Four Legs.
2. My teacher, Mrs. Brown, asked me to be one of the main characters.
3. "I am glad you asked me," I said to Mrs. Brown. "I would love to be in the play."
4. When

## Day 4

1. At Gatorland in Orlando, Florida, you can learn how to train an alligator.
2. If you visit Dinosaur World in Cave City, Kentucky, you can dig for fossils.
3. can
4. discover

## Day 5

1. scent
2. sent
3. cent
4. Answers will vary.

## WEEK 4

## Answer Key

- For many open-ended items, other answers are possible. Accept any response that produces correct language and follows the directions.

## Day 1

1. Lions are big cats that are best known for their loud roar.
2. Did you know that a lion can be heard from five miles away?
3. Sometimes people capture lions because they want to save them from harm.
4. living under human care

## Day 2

1. I asked my dad if he would let me start a pet-sitting business.
2. My dad said I could start a business if I got good grades.
3. adverb; it describes how my mom told me
4. harder

## Day 3

1. You will take good pictures if you know how to use a camera.
2. If you practice a lot, you'll soon be a good photographer.
3. modern digital camera
4. pre|view; to view ahead of time

## Day 4

1. For a class project, I wrote a letter to a famous person.
2. I picked a person who is very important to the United States.
3. to whom
4. The first sentence of my letter said, "I am very proud to write to a U.S. president."

## Day 5

1. around
2. across
3. beside
4. Answers will vary.

# Answer Key

## WEEK 1

### DAY 1

Sample response: I didn't understand all the facts from the second section. I reread slowly, and it made more sense.

1. B 2. A 3. A 4. D

### DAY 2

Sample response: How is the seed vault going to survive a worldwide disaster?

1. A 2. C 3. D 4. C

### DAY 3

Sample response: It helped me focus on the topic of Children's Day.

1. C 2. A 3. C 4. B

### DAY 4

Sample response: The title made me visualize what a dragon looks like and think of stories about dragons.

1. B 2. C 3. D 4. A

### DAY 5

Students should describe a comprehension strategy that helps them maintain focus on the main idea of each paragraph.

1. B 2. A 3. D 4. C

## WEEK 2

### DAY 1

Sample response: One time last winter I wanted to visit my uncle, but it was snowing so hard the roads were closed.

1. D 2. A 3. D 4. B

### DAY 2

Sample response: Galileo probably felt mad, like when my brother blamed me for breaking a vase even though it was his fault.

1. A 2. D 3. C 4. B

### DAY 3

Sample response: I like to visit the library because there are lots of books to read and games to play.

1. B 2. C 3. A 4. D

### DAY 4

Sample response: I would have told Kate that she doesn't have to exaggerate so much.

1. B 2. A 3. D 4. D

### DAY 5

Sample response: I like thunderstorms because I like lightning.

1. C 2. A 3. B 4. D

## WEEK 3

### DAY 1

Answers should include words or phrases such as *tons of garbage swirl slowly, bottles, bags, nets*, etc.

1. B 2. A 3. C 4. B

### DAY 2

Answers should include words such as *hot, smelly, popping, spraying*, etc.

1. D 2. B 3. B 4. A

### DAY 3

Answers should include words such as *boomerang, huge, columns, domed tower*, etc.

1. D 2. A 3. C 4. B

### DAY 4

Answers should include words such as *copper, difficult to read, lists*, etc.

1. D 2. C 3. A 4. A

### DAY 5

Sample response: I visualized Tammy as bratty and short.

1. D 2. C 3. B 4. A

## WEEK 4

### DAY 1

Answers should include words such as *before, next, during*, etc.

1. C 2. D 3. A 4. A

### DAY 2

Sample response: Fact: Root vegetables include... potatoes. Opinion: Discovering new foods...fun.

1. D 2. A 3. B 4. D

### DAY 3

Students should identify phrases such as *as a result* or *this is because*.

1. A 2. B 3. B 4. C

### DAY 4

Sample response: 1884: he was born, 1923: he found dinosaur eggs, 1927: he was made an honorary Boy Scout.

1. A 2. B 3. A 4. C

### DAY 5

Sample response: Troy identified the problem and then stated how to fix it. I think his solution will work because it is easy for people to give 5 dollars.

1. C 2. B 3. A 4. A

## WEEK 5

### DAY 1

Sample response: The *Fast Flyer* is the fastest racer, and it is on sale for a limited time. This is important to know if you are looking for a new racer.

1. C 2. A 3. B 4. A

### DAY 2

Sample response: If I wanted to get one of the prizes for my friend, I would use the chart to know how many candles or boxes of cookies I would need to sell.

1. C 2. D 3. C 4. A

### DAY 3

Sample response: I would use this book in art class because it teaches how to draw comics.

1. B 2. C 3. A 4. B

### DAY 4

Sample response: The picture of the cabin shows what the cabin is made from.

1. C 2. B 3. C 4. A

### DAY 5

Sample response: This recipe is rated 4 stars because people like it. This helps other people decide if it is a good recipe.

1. A 2. D 3. B 4. D

## WEEK 6

### DAY 1

Sample questions: Is this story about a dolphin? Is it safe to swim near dolphins?

1. A 2. C 3. B 4. A

### DAY 2

Sample question: How much do solar panels cost?

1. D 2. B 3. C 4. A

### DAY 3

Sample question: Did Mr. Kim get his money back?

1. A 2. C 3. C 4. B

### DAY 4

Sample response: It sounds more like football because the players can pick up the ball with their hands.

1. D 2. B 3. B 4. C

### DAY 5

Sample question: Can other types of dogs pull sleds too?

1. B 2. D 3. B 4. C

## WEEK 7

### DAY 1

1. B 2. C 3. A 4. C

Sample response: The second paragraph because I have seen ice and played in the ocean.

### DAY 2

1. B 2. A 3. D 4. C

Students should base their drawings on details from the passage.

### DAY 3

1. B 2. C 3. D 4. C

Sample response: First the mother lays an egg. Then the father takes care of it. During that time, he doesn't eat. By the time the chick hatches, the mother has returned and the father needs to eat because he has fasted for 115 days.

### DAY 4

1. B 2. A 3. A 4. D

Sample response: Step 2 was the easiest to picture because it is similar to steam rising from my school's pool in the winter.



- Brief answers for page 13 (Answers to # 5, 7, & 19 will vary)**
- 1 A wind going in the opposite direction from the direction it goes most of the year
  - 2 Short, non-penetrating blue light waves get scattered by the atmosphere
  - 3 Because the earth near the equator is rotating faster, that air gets going faster than the air nearer the pole, putting a spin on the air as it circulates
  - 4 A weather map line which connects places with the same air pressure
  - 6 The area near the equator where there is very little or no wind
  - 8 Meteorologist
  - 9 They "seed" clouds with "dry ice" to help the water condense into drops of rain
  - 10 Fahrenheit and Celsius (formerly called Centigrade) (There is also "Absolute")
  - 11 Only long red light waves make it through the atmosphere at an angle (thicker)
  - 12 Barometer 13 Dryness 14 Warm front
  - 15 The temperature at which moisture will start condensing out of the air
  - 16 The temperature it feels like because of the cooling evaporation caused by wind
  - 17 Provides a path for electricity to flow so it won't build up and strike as lightning
  - 18 Precipitation
  - 20 Raindrops get blown back up into the cold, pick up more water, and freeze

### Weather Wordsearch

barometer  
breeze  
climate  
cloud  
cirrus  
cold  
cumulus  
dew  
fog  
forecast  
front  
frost  
gate  
hail  
heat  
high  
hot  
humidity  
ice  
isobar

lightning  
low  
meteorologist  
nimbus  
ozone  
precipitation  
rain  
rainbow  
sleet  
snow  
storm  
temperature  
thermal  
thermometer  
thunder  
tornado  
weather  
wet  
wind

PRECIPITATION FRONT  
HEATSCTSNOWZATWLOW  
GALEOMETEOROLOGIST  
RAINBNMFCQXNLRHBNE  
ANDLAIPRLZDEWNORLD  
ISTORMEOOCLIMATEEIF  
NLHCHBR SUONEFDEEGO  
BEEIUAUCOLDONZHR  
OERRGSTWEATHERGETE  
WTMRWHUMIDITYWETNC  
ZXAUBRRRTHUNDERWIA  
YQLS THERMOMETERONS  
BAROMETERCUMULUSGT

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### Weather Watch Crossword Puzzle

**wordbox**  
stratus  
hurricane  
snow  
low  
report  
Celsius  
fog  
fahrenheit  
thunder  
high  
wind  
humidity  
barometer  
meteorologist  
nimbus  
anemometer  
hot  
atmosphere  
frost  
weather  
climate  
cirrus  
tornado  
rainbow  
cumulus  
cloud  
we

**ACROSS**

2. a device for measuring atmospheric pressure
4. a large mass of fine water vapor just above the ground
8. the amount of water vapor in the air
9. the opposite of cold
10. a violent tropical cyclone with winds of 75 mph or more
12. an area of high barometric pressure
13. the sound heard after a flash of lightning
17. frozen water vapor
19. an arch of colored light seen in the sky
21. condition of the air at a certain time and place; includes the temperature, wind conditions and moisture content of the air
23. large, white, fluffy clouds
24. the kind of weather a place has
25. a person who studies the atmosphere, weather and climate

**DOWN**

1. a long, low, gray cloud cover
3. a device used to measure the speed and force of wind
4. a temperature scale where 32 is freezing and 212 is boiling
5. air in motion
6. the layer of gases surrounding the Earth
7. wispy, feather-like clouds
11. a temperature scale where 0 is freezing and 100 is boiling
14. the type of dense cloud that contains rain or snow
15. frozen water vapor that falls to the Earth in soft flakes
16. an area of low barometric pressure
18. a destructive, whirling, funnel-shaped storm
19. the part of the report that tells what the weather will be like is called the weather
20. a word for the two of us \_\_\_\_\_
22. a white, gray or black mass in the sky, made up of tiny drops of water or ice crystals

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